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09/843,778	04/30/2001	Cheol-Min Jeon	P56387	3360

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EXAMINER

BAKER, CHARLOTTE M

ART UNIT

PAPER NUMBER

2626

DATE MAILED: 11/04/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/843,778	<b>Applicant(s)</b> JEON, CHEOL-MIN	
	<b>Examiner</b> Charlotte M Baker	<b>Art Unit</b> 2626	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-12 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☒ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## **DETAILED ACTION**

### ***Priority***

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### ***Specification***

2. The disclosure is objected to because of the following informalities: page 8, line 1, replace “generates a sleep mode signal in response to the result of checking” with “generates a sleep mode signal if the result of checking is that the function performing unit 12 is finished performing a predetermined function”; page 7, line 6, replace “MFP printer” with “MFP”; page 10, line 20, replace “54 through 58” with “54, 56, and 58”.

Appropriate correction is required.

### ***Claim Objections***

3. Claim 7 is objected to because of the following informalities: replace “includes” with “include”. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Ichimura et al. (5,758,040).

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**Regarding claim 1:** Ichimura et al. disclose a first power supply unit (power source 3) for converting an externally input alternating current (AC) power (OUTLET) into a direct current (DC) power (inherent to a power source, which must output DC power for equipment operation) and providing the DC power as a first power (output of power source 3); a function performing unit (equipment unit 9), which is driven in response to a second power (output of power-supply switching unit 4), for performing one or more predetermined functions (feeding of recording paper sheets, image printing and so forth, col. 8, ln. 31-34); an external interface unit (operation unit 81, indication unit 71, communications control unit 5, modem 8) which is driven in response to the first power and the second power (Fig. 1, power source 3 and power-supply switching unit 4 outputs), for receiving control information (Fig. 1, unit control signal and signals generated via the main control unit 1) from the outside and outputting input state information to the outside (communication via unit control signal and via main control unit 1); an auxiliary control unit (energy-saving control unit 2), which is driven in response to the first power (Fig. 1, power source 3), for receiving the control information from the external interface unit (operation unit 81, indication unit 71, communications control unit 5, modem 8), outputting state information to the external interface unit (Fig. 1, energy-saving operation unit 82 (col. 8, ln. 56-65), energy-saving indication unit 72 (col. 8, ln. 47-55), energy-saving control signal, rise trigger signal), and outputting a power control signal (energy-saving control unit 2 controls the power-supply switching unit 4, col. 9, ln. 41-43) in response to a sleep mode signal (energy-saving state); a main control unit (main control unit 1), which is driven in response to the second power (power-supply switching unit 4, col. 8, ln. 21-23), for generating the state information (signal sending/receiving operation, col.9, ln. 27-30), which is obtained by executing a program for

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controlling the function performing unit (main control unit 1, according to software programs stored in ROM, controls the entirety of the facsimile apparatus using a unit control signal, col. 7, ln. 62-67), for output to the auxiliary control unit (energy-saving control unit 2) in response to the control information input from the auxiliary control unit (Fig. 1, energy-saving control signal), and generating sleep mode signal (Fig. 1, energy-saving control signal) in response to the result of checking whether or not a predetermined time period has elapsed (predetermined time has elapsed, col. 10, ln. 11-13) after the function performing unit (equipment unit 9) finishes performing the predetermined function (system operation: image copying, signal sending/receiving or the like) (col. 10, ln. 1-13); a second power supply unit for outputting the first power as the second power in response to the power control signal (power source 3 supplies power, via a power-supply switching unit 4, col. 8, ln. 19-28).

**Regarding claim 2:** Ichimura et al. satisfy all the elements of claim 1. Ichimura et al. further disclose wherein the auxiliary control unit (energy-saving control unit 2) generates the power control signal (power-supply control signal) in response to whether or not control information is input from the external interface unit (col.8, ln. 19-28).

**Regarding claim 3:** Ichimura et al. satisfy all the elements of claim 2. Ichimura et al. further disclose wherein the external interface unit comprises a ring detection unit (communications control unit 5, col. 9, ln. 27-30), which is driven in response to the first power (power source 3), for detecting a ring signal (ringing signal, col. 9, ln. 53-54) received through a public switched telephone network (Fig. 1, communications line 11, col. 9, ln. 54-56 and col. 9, ln. 21-26), and outputting the detected ring signal as the control information (rise trigger signal, col. 9, ln. 50-64).

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**Regarding claim 4:** Ichimura et al. satisfy all the elements of claim 2. Ichimura et al. further disclose wherein the external interface unit comprises a key input unit (operation and indication unit 101, which includes a ten-key numeric keypad, col. 14, ln. 29-34), which is driven in response to the first power (power source 3) and has a plurality of keys (ten-key numeric keypad), and outputs the result of the user's manipulation of keys as the control information (Fig. 5, operation and indication unit 101, LCD, col. 14, ln. 29-34).

**Regarding claim 5:** Ichimura et al. satisfy all the elements of claim 2. Ichimura et al. further disclose wherein the external interface unit comprises a liquid crystal display (LCD) (operation and indication unit 101, LCD, col. 14, ln. 31-34), which is driven in response to the second power, and displays the state information to the user (inherent to a LCD to display).

**Regarding claim 6:** Ichimura et al. satisfy all the elements of claim 1. Ichimura et al. further disclose a motor (motor, col. 8, ln. 28-29) which is driven in response to the second power (power-supply switching unit 4 output to motor and equipment driver unit 10) and operates under control of the main control unit (main control unit 1 controls the entirety of facsimile apparatus, col. 7, ln. 61-67), wherein the predetermined function includes a printing function (image printing, col. 8, ln. 33-34).

**Regarding claim 7:** Ichimura et al. satisfy all the elements of claim 6. Ichimura et al. further disclose wherein the predetermined functions further include a facsimile function (inherent to a facsimile apparatus, and (facsimile transmission) col. 8, ln. 66-67 through col. 9, ln. 1).

**Regarding claim 8:** Ichimura et al. satisfy all the elements of claim 7. Ichimura et al. further disclose wherein the predetermined functions further includes a scanning function (scanner 105, col. 14, ln. 39-43).

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**Regarding claim 9:** Ichimura et al. satisfy all the elements of claim 8. Ichimura et al. further disclose wherein the predetermined functions further includes a copying function (copying, col. 8, ln. 66-67 through col. 9, ln. 1).

**Regarding claim 10:** The structural elements of apparatus claim 1 perform all of the steps of method claim 10. Thus, claim 10 is rejected for the same reasons discussed in the rejection of claim 1.

**Regarding claim 11:** Ichimura et al. satisfy all the elements of claim 10. The structural elements of apparatus claim 1 and claim 2 perform all of the steps of method claim 11: Thus, claim 11 is rejected for the same reasons discussed in the rejections of claim 1 and claim 2.

**Regarding claim 12:** Ichimura et al. satisfy all the elements of claim 11. The structural elements of apparatus claims 3 and 4 perform the all of the steps of method claim 12: Thus, claim 12 is rejected for the same reasons discussed in the rejections of claim 3 and claim 4.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charlotte M Baker whose telephone number is (703) 306-3456. The examiner can normally be reached on Monday-Friday 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly A Williams can be reached on (703) 305-4863. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

cmb 



KIMBERLY WILLIAMS  
SUPERVISORY PATENT EXAMINER